

# **BITEBUDDY: FOOD ORDERING SYTEM**

**By**

**Deeti Bhatt (23MCA008)**

**Bansari Patel (23MCA109)**

**Tirtha Patel (23MCA145)**

**Under Guidance**

**of**

**Internal Guide**

**Ms. Dhatri Raval**

**Submitted to**



**Smt. Chandaben Mohanbhai Patel Institute of Computer Applications**

**CHARUSAT**

**Changa**

**Nov-Dec 2024**



**Accredited with Grade A+ by NAAC,**

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**Changa**

## **Acknowledgement**

Knowledge in itself is a continuous process. At this moment of our substantial enhancement, We rarely find words to express our gratitude towards those who were constantly involved with us.

The completion of any inter disciplinary project depends upon coordination, cooperation and combined efforts of several resources of knowledge, creativity, skill, energy and time. The work being accomplished now, we feel our sincerest urge to recall and knowledge through these lines, trying our best to give full credit wherever it deserves.

We would like to thank our project guide **Ms. Dhatri Raval**, I/C Principal **Dr. Dharmendra Patel** and I/C Dean **Dr. Sanskruti Patel** who advised and gave us moral support through the duration of our project. Without their constant encouragement we could not have been able to achieve what we have. It's our good fortune that we had support and well wishes of many. We are thankful to all and those names which have been forgotten to acknowledge here but contributions have not gone unnoticed.

With Sincere Regards,

**Deeti Bhatt (23MCA008)**

**Bansari Patel (23MCA109)**

**Tirtha Patel (23MCA145)**

## Index

| <b>Sr.No.</b> |           | <b>Subject</b>   | <b>Page Number</b> |
|---------------|-----------|--|--------------------|
| <b>1</b>      |           | <b>Project Profile &amp; Company Profile</b>                             | <b>4</b>           |
| <b>2</b>      |           | <b>Introduction to Tools</b>   | <b>6</b>           |
| <b>3</b>      |           | <b>System Study</b>  | <b>9</b>           |
|               | <b>1.</b> | Existing System  | <b>10</b>          |
|               | <b>2.</b> | Proposed System  | <b>10</b>          |
|               | <b>3.</b> | Scope of the Proposed System   | <b>11</b>          |
|               | <b>4.</b> | Aim and Objective of the Proposed System                                 | <b>12</b>          |
|               | <b>5.</b> | Feasibility Study  | <b>13</b>          |
|               |           | Operational Feasibility  | <b>13</b>          |
|               |           | Technical Feasibility  | <b>13</b>          |
|               |           | Economical Feasibility   | <b>14</b>          |
| <b>4</b>      |           | <b>System Analysis</b>   | <b>15</b>          |
|               |           | Requirements Specification (along with System Modules)                   | <b>16</b>          |
|               |           | Use Case Diagram   | <b>19</b>          |
|               |           | Activity Diagram   | <b>23</b>          |
|               |           | Class Diagram  | <b>26</b>          |
| <b>5</b>      |           | <b>System Design</b>   | <b>27</b>          |
|               |           | Data Dictionary  | <b>28</b>          |
|               |           | Screen Layouts   | <b>35</b>          |
| <b>6</b>      |           | <b>System Testing</b>  | <b>55</b>          |
|               |           | Test Case  | <b>56</b>          |
| <b>7</b>      |           | <b>Future Enhancement</b>  | <b>60</b>          |
| <b>8</b>      |           | <b>Bibliography/References</b>   | <b>62</b>          |
| <b>9</b>      |           | <b>Reporting Report (to be collected from respective internal guide)</b> |                    |

# PROJECT PROFILE

## ❖ **Project Profile**

**Project Name:** BiteBuddy: Food Ordering System

**Type of Application:** Web Application

**Project Description:** BiteBuddy is a web-based food ordering system designed to streamline placing and managing orders for customers and restaurants. The application features three user roles: Admin, Restaurant Owner, and Customer. The Admin oversees restaurant management, user accounts, and system monitoring. Restaurant Owner can register, manage their restaurant profiles, update menus, and track orders. Customers can register, browse restaurant menus, place orders, manage carts, and provide feedback. The system ensures a smooth interaction for all users with secure authentication and a responsive interface.

**Team Size:** three members

**Front End:** HTML, CSS, Bootstrap, JavaScript

**Back End:** ASP.NET, C#

**Database:** Microsoft SQL Server

**Tools used:** Visual Studio, Microsoft SQL Server Management Studio (SSMS),  
Bootstrap

# INTRODUCTION TO TOOLS

## ❖ Introduction to Tools

### ➤ **Front End Tool:**

#### **HTML (HyperText Markup Language):**

HTML was utilized to structure the content and layout of the web pages. It served as the backbone of the application's interface, allowing us to organize elements such as forms, buttons, and menus effectively.

#### **CSS (Cascading Style Sheets):**

CSS was employed to style the HTML elements, enabling us to create an appealing visual design. It helped in defining the color schemes, fonts, and overall aesthetics, ensuring a consistent look and feel across all pages.

#### **JavaScript:**

JavaScript added interactivity to the web pages. It was used for client-side scripting to handle user events, validate forms, and update content dynamically without reloading the page, enhancing the user experience.

#### **Bootstrap:**

Bootstrap, a popular front-end framework, was used to expedite the development process. It provided a responsive grid system and pre-designed components like navigation bars, modals, and carousels. This ensured the application was mobile-friendly and consistent across different devices and screen sizes.

These tools collectively allowed us to build an intuitive and responsive user interface that enhances user engagement and accessibility for customers, restaurant owner, and the admin.

## ➤ **Back End Tool:**

For the back-end development, we utilized ASP.NET with C# and Microsoft SQL Server as the database management system.

### **ASP.NET:**

ASP.NET is an open-source, server-side web application framework designed for web development to produce dynamic web pages. It allowed us to build robust and scalable server-side logic, handle user authentication, manage sessions, and process form data efficiently.

### **C# (C Sharp):**

C# was the programming language used within the ASP.NET framework. It provided object-oriented features and a rich set of libraries, enabling us to implement complex business logic, data processing, and ensure code maintainability.

### **Microsoft SQL Server:**

Microsoft SQL Server was chosen as the relational database management system to store and manage the application's data. It offered high performance, reliability, and security features. The database handled all data operations, including storing user information, restaurant details, menu items, orders, and feedback.

Using ASP.NET and C# for the back end allowed seamless integration with the front end and the database, ensuring smooth data flow and communication between the client and server. Microsoft SQL Server ensured that all data transactions were secure, consistent, and efficiently managed.



# SYSTEM STUDY

## **1. Existing System:**

Before the advent of online food ordering systems, the process of ordering food was entirely manual, often resulting in inefficiencies, miscommunication, and limited service reach. This section analyzes the limitations of the traditional food ordering system, outlining the challenges faced by restaurants and customers in the pre-technology era.

1. **Order Placement:** Orders were placed via phone or in person, often leading to miscommunication and delays.
2. **Menu Access:** Menus were only available physically or described over the phone, limiting options for customers.
3. **Delivery & Tracking:** No real-time order tracking; customers faced frequent delays without updates.
4. **Payments:** Cash payments led to issues with handling and errors.
5. **Feedback:** Feedback was informal, with no structured system for collecting or acting on reviews.

### **Limitations:**

- **Inefficiency:** Manual processes caused delays and errors.
- **Limited Reach:** Restaurants only served local customers.
- **No Data:** Lack of customer insights or analytics for improvement.

The introduction of technology transformed food ordering by streamlining operations, improving customer experience, and enabling data-driven decision-making.

## **2. Proposed System:**

The proposed system aims to streamline the food ordering process by introducing a comprehensive, technology-driven platform. This system will serve three key user groups: Admins, Customers, and Restaurant Owners, each with distinct roles and functionalities. By incorporating user-friendly interfaces and advanced management tools, the platform enhances operational efficiency, improves user experience, and fosters greater transparency across the food ordering lifecycle.

### 1. Admin:

- **Restaurant & User Management:** View, and update, restaurant details.
- **System Monitoring:** Generate reports on sales, user activity, system performance...
- **Content Management:** Manage static web content like homepage and contact info.

### 2. Customer:

- **Account Management:** Register, log in, update profile, and recover passwords.
- **Order & Cart:** Browse menus, add items to the cart, place orders, view history, and track orders.
- **Feedback:** Provide restaurant feedback.

### 3. Restaurant Owner:

- **Account Management:** Register/login and manage restaurant profile.
- **Menu Management:** Add, update, categorize, and price menu items.
- **Order & Feedback:** View incoming orders, update status, and view customer feedback.

## 3. Scope of the Proposed System:

The proposed system, **BiteBuddy**, aims to revolutionize the food ordering experience by offering distinct functionalities for different user types, enhancing operational efficiency, and improving customer satisfaction. The scope of the system is divided into three key sections based on the roles of Admin, Customer, and Restaurant Owner, ensuring that each user type has specific features tailored to their needs.

#### 1. Admin Features:

- Manage restaurant details and quality checks.
- Oversee user accounts and manage user information.
- Generate sales and activity reports; view customer feedback.
- Control static content (e.g., homepage).

#### 2. Customer Features:

- Secure account registration and login; password recovery.

- Update personal details and manage orders.
- Add/remove items from the cart; submit restaurant feedback.

### **3. Restaurant Owner Features:**

- Register and log in securely.
- Edit restaurant information and manage menus.
- View and update incoming orders; access customer feedback.

### **Objectives:**

- Streamline management for restaurants and customers.
- Improve data reporting and enhance customer satisfaction.

## **4. Aim and Objective of the Proposed System:**

**Aim:** To create an efficient online food ordering platform that streamlines restaurant management, enhances customer experience, and facilitates seamless interaction between users and restaurant admins.

### **OBJECTIVES:**

- **Admin Oversight:** Manage restaurant and user accounts.
- **Customer Access:** Enable secure registration and order tracking.
- **Profile Control:** Allow customers to manage profiles and provide feedback.
- **Restaurant Management:** Simplify registration and menu handling.
- **Feedback System:** Monitor customer feedback for improvements.

## **5. Feasibility Study:**

### **1. Operational Feasibility:**

- The **BiteBuddy: Food Ordering System** is operationally feasible, designed for seamless integration into daily operations while enhancing efficiency for admins, customers, and restaurant owners.
- With user-friendly dashboards for admins, straightforward navigation for customers to browse menus and place orders, and minimal training required for restaurant owners to manage menus and feedback, the system promotes ease of use.
- Automation reduces manual tasks, minimizing errors and saving time, while scalability ensures robust performance even as user numbers grow.
- Comprehensive support and regular updates maintain system security, and the adaptability allows restaurants to update their offerings effortlessly.
- Overall, BiteBuddy streamlines operations and improves customer satisfaction, establishing itself as an efficient solution for the food ordering industry.

### **2. Technical Feasibility:**

- The technical feasibility of the **BiteBuddy: Food Ordering System** evaluates the technological resources required for effective implementation and operation.
- Built on a robust stack of HTML, CSS, Bootstrap, and ASP.NET, the system ensures a responsive, user-friendly interface accessible across devices.
- It utilizes a relational database management system (RDBMS) for efficient data storage and retrieval, facilitating features like user accounts, restaurant management, and order processing.
- APIs enhance functionalities such as payment processing, and security measures, including data encryption and secure authentication, ensure data integrity and user protection.
- The scalable infrastructure accommodates growth in users and features without compromising performance, making BiteBuddy a secure and feasible solution for the food ordering industry.

### 3. Economic Feasibility:

- The **BiteBuddy: Food Ordering System** highlights its potential to reduce operational costs by automating processes like order management and restaurant operations.
- By minimizing manual tasks and reducing errors in the order process, restaurants can cut down on labor expenses and enhance efficiency.
- The system's development and operational costs remain low due to web-based infrastructure, while its ability to attract more customers through an improved experience increases revenue opportunities.
- BiteBuddy provides a cost-effective solution that balances investment with growth potential, benefiting restaurants and customers alike.

# SYSTEM ANALYSIS

## **Requirements Specification (along with System Modules):**

### **Software Requirements:**

- Operating System: Windows
- Front-End: HTML, CSS, Bootstrap, JavaScript
- Back-End: ASP.NET, C#
- Web-Server: IIS Express

### **Hardware Requirements:**

- 8.00 GB Ram
- Hard Disk 1 TB
- Microsoft Compatible
- 101 or more Key Board

### **Modules:**

1. Admin
2. Restaurant Owner
3. Customer

#### **1. Admin:**

##### **Restaurant Management:**

- View, update, and deactivate restaurant details.
- Perform quality checks and updates as necessary.



### **User Management:**

- Manage all user accounts (customers and restaurant admins).
- Update and delete user details.

### **System Monitoring:**

- Generate reports on sales, user activity, and system performance.
- View feedback from customers.

## **2. Customer:**

### **Registration and Login:**

- Create an account.
- Secure login with email and password.
- Password recovery functionality.

### **Profile Management:**

- View and update personal details.

### **Order Management:**

- Place orders from restaurant menus.
- View order history and track order status.
- Provide feedback for restaurants.

### **Cart Management:**

- Add items to cart.
- Update or remove items from the cart.

## **3. Restaurant Owner:**

### **Registration and Login:**

- Create an account and register their restaurant directly.
- Secure login with email and password.
- Password recovery functionality.

**Restaurant Profile Management:**

- View and edit restaurant details (name, address, contact details, opening hours).

**Menu Management:**

- Add, update, or remove menu items.
- Categorize menu items within each restaurant.
- Upload images and descriptions for dishes.
- Set and update prices.

**Order Management:**

- View incoming orders.
- Update order status (accepted, preparing, out for delivery, completed).

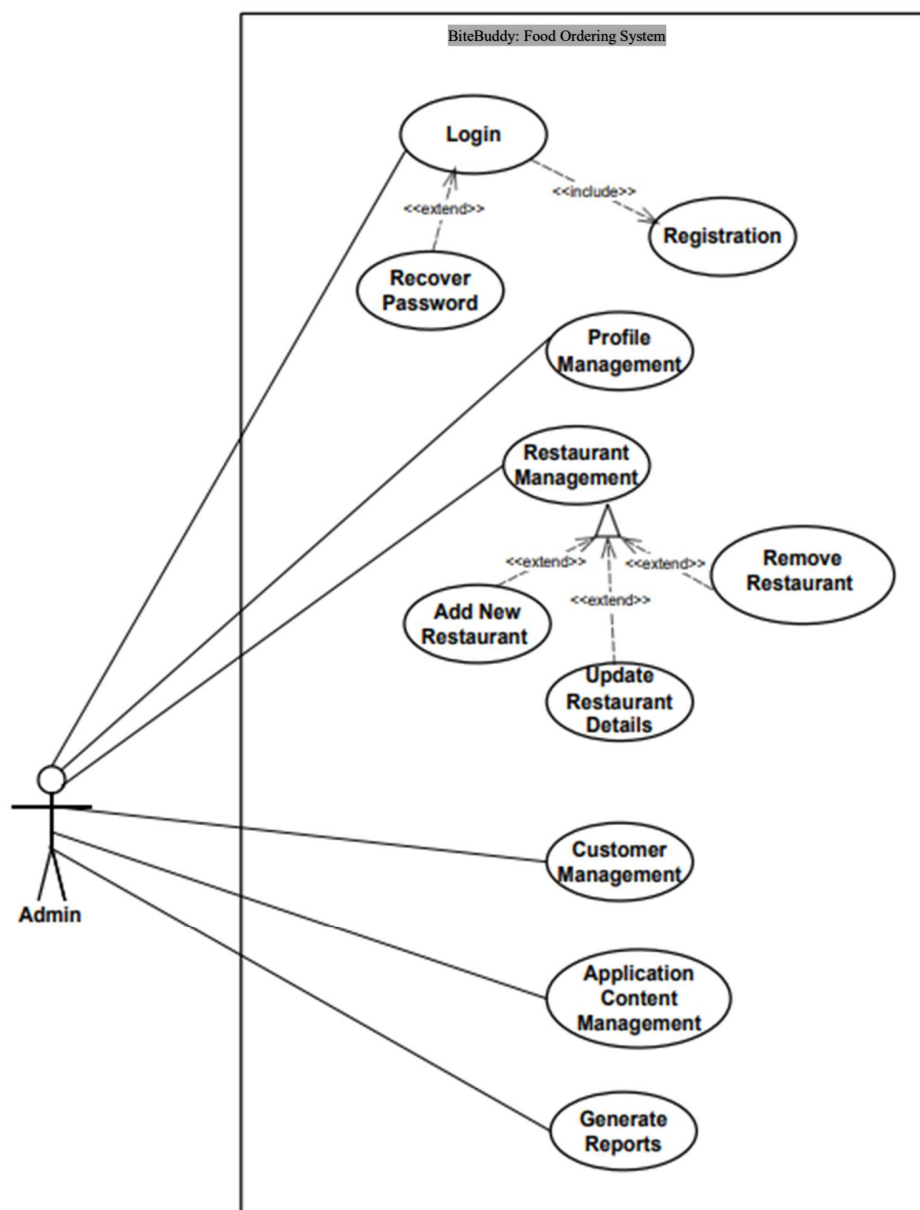
**Feedback Management:**

- View feedback provided by customers about their restaurant.

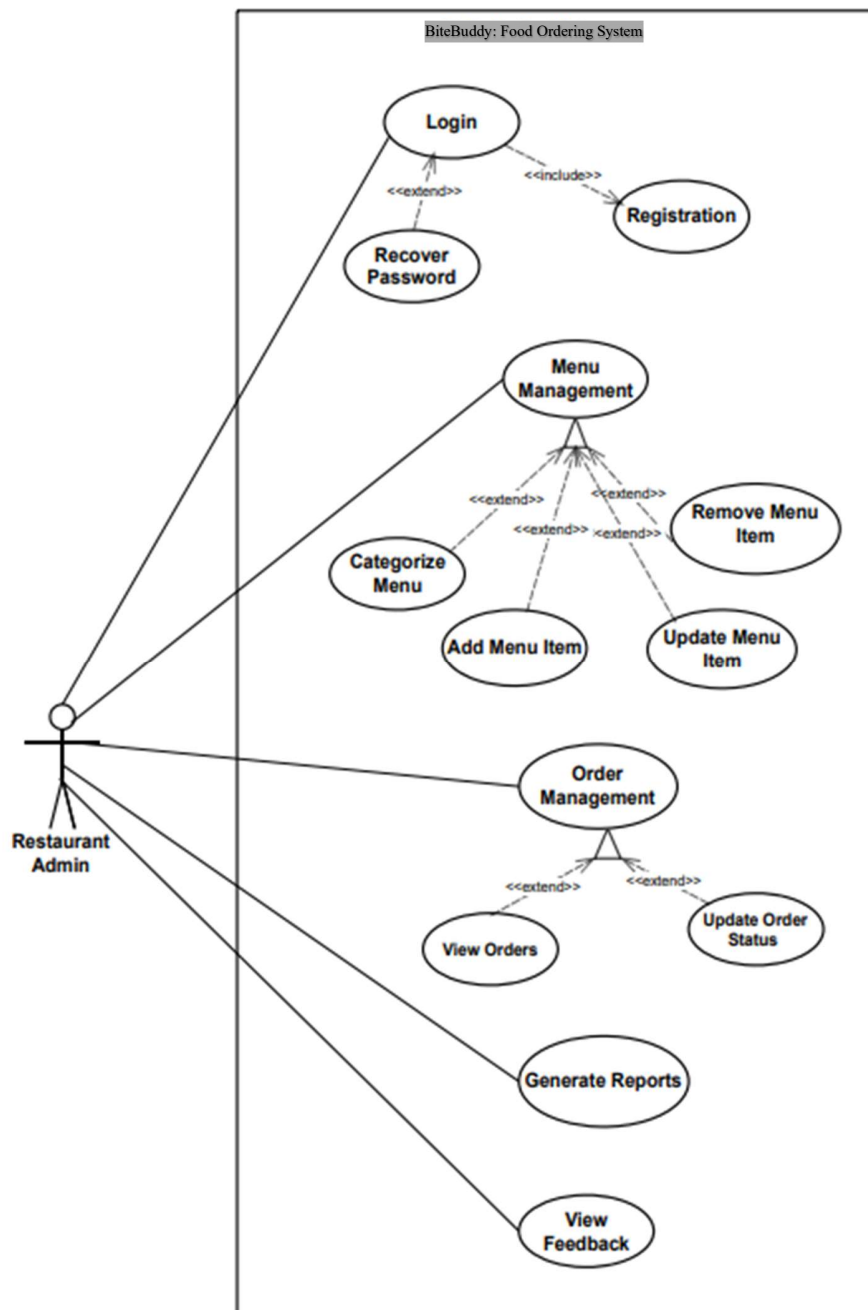
# UML DIAGRAM

## Usecase Diagram:

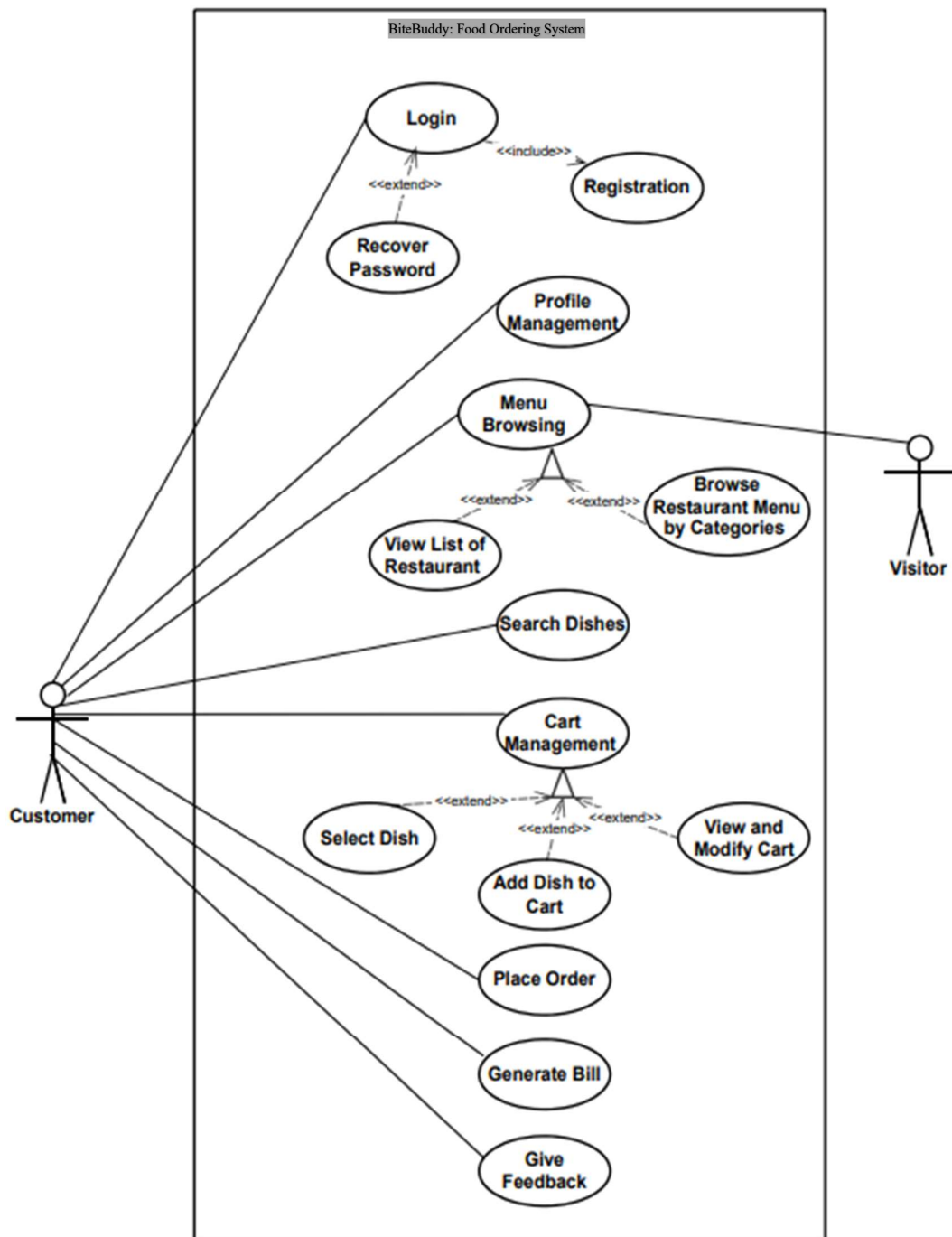
### Usecase Diagram of Admin:



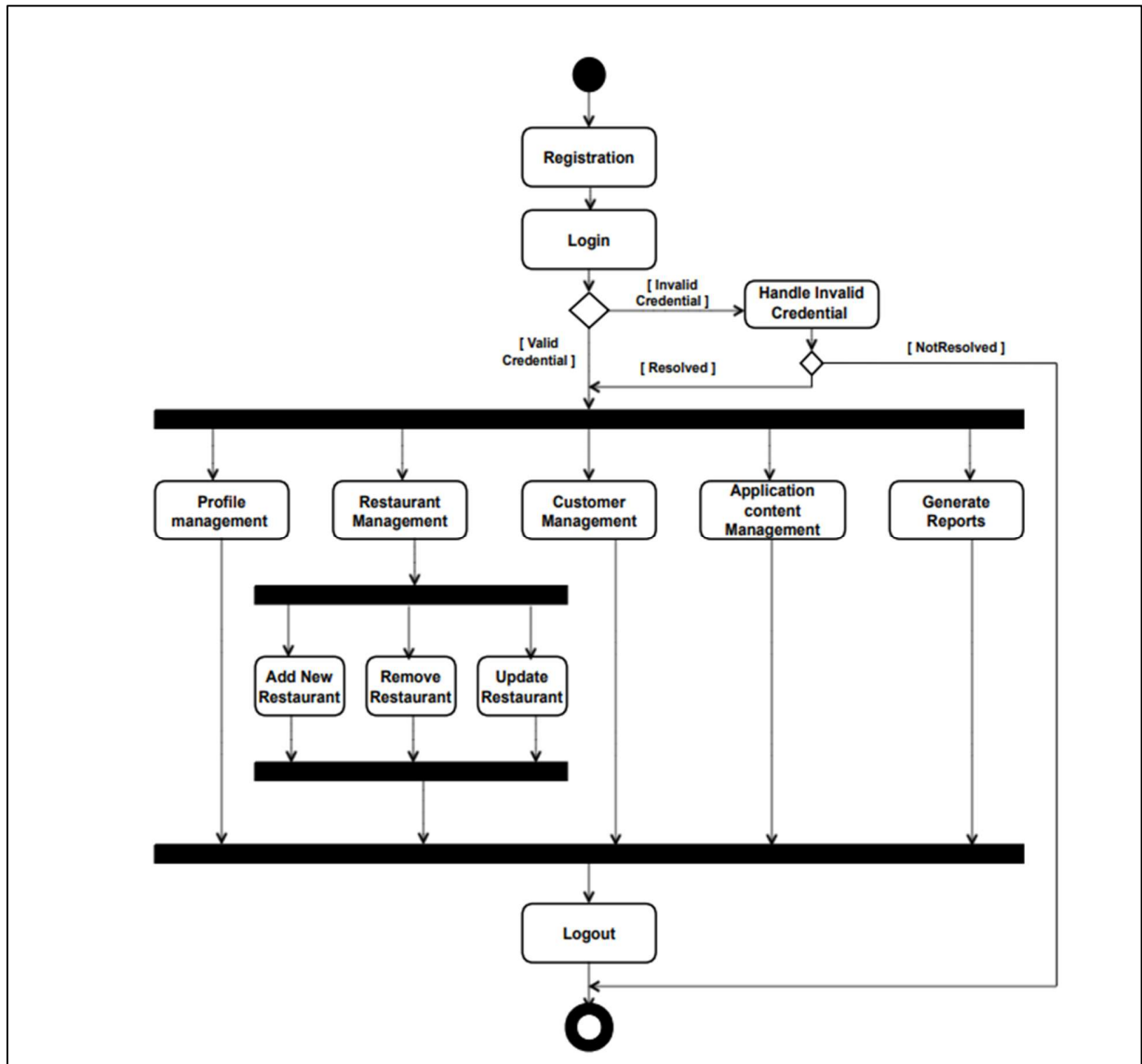
## Usecase Diagram of Restaurant Owner:



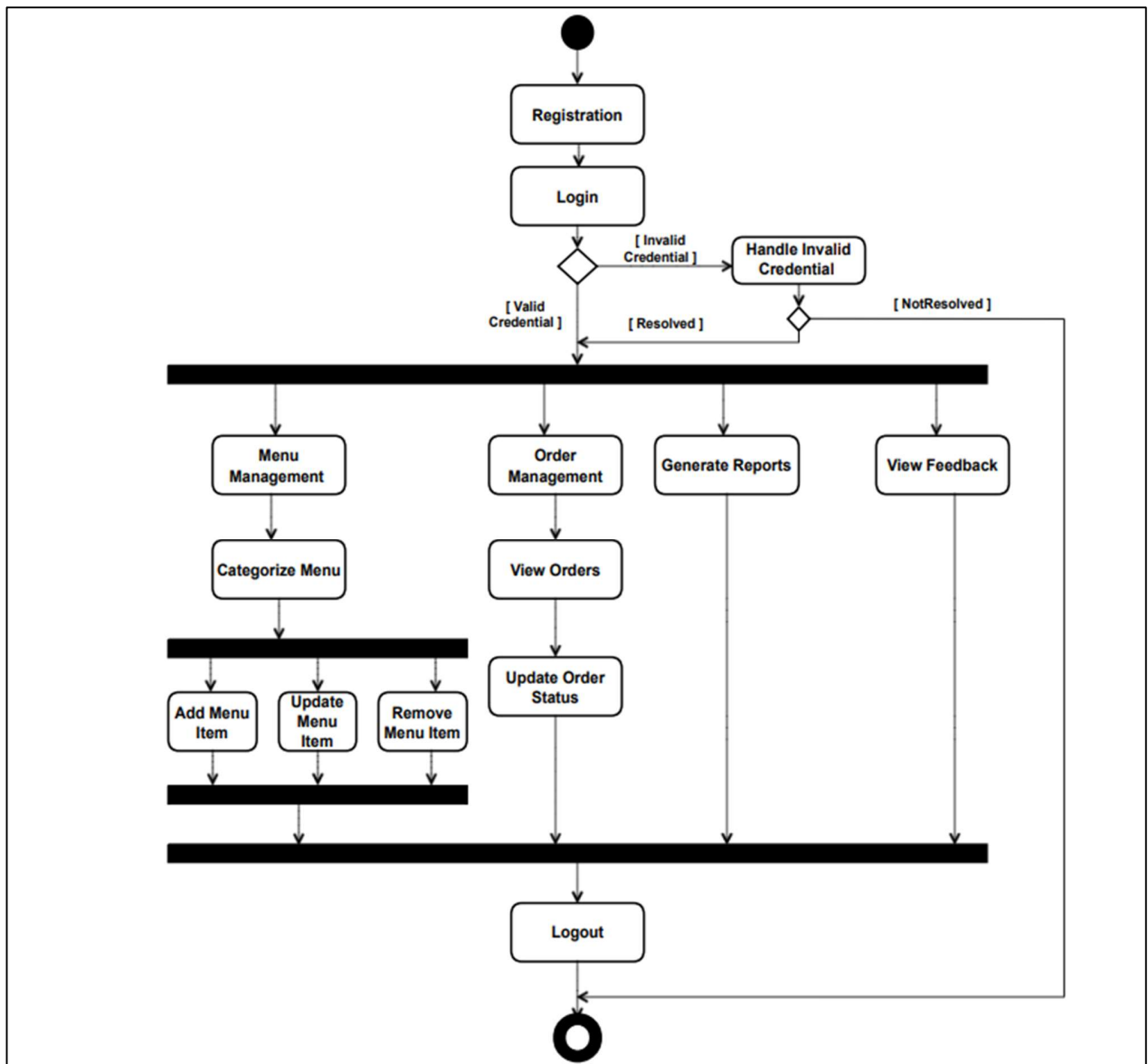
## Usecase Diagram of Customer:



## Activity Diagram of Admin:

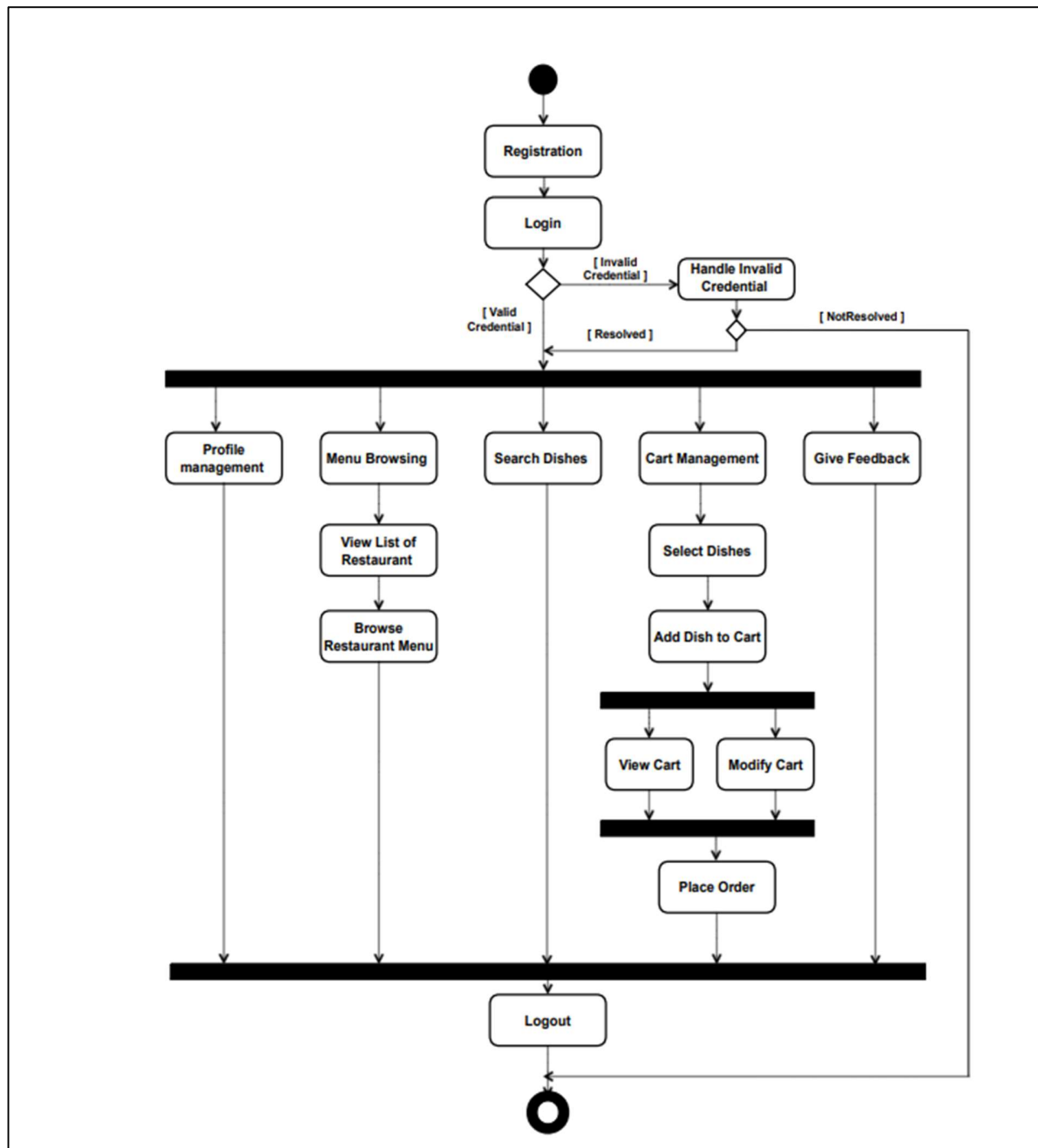


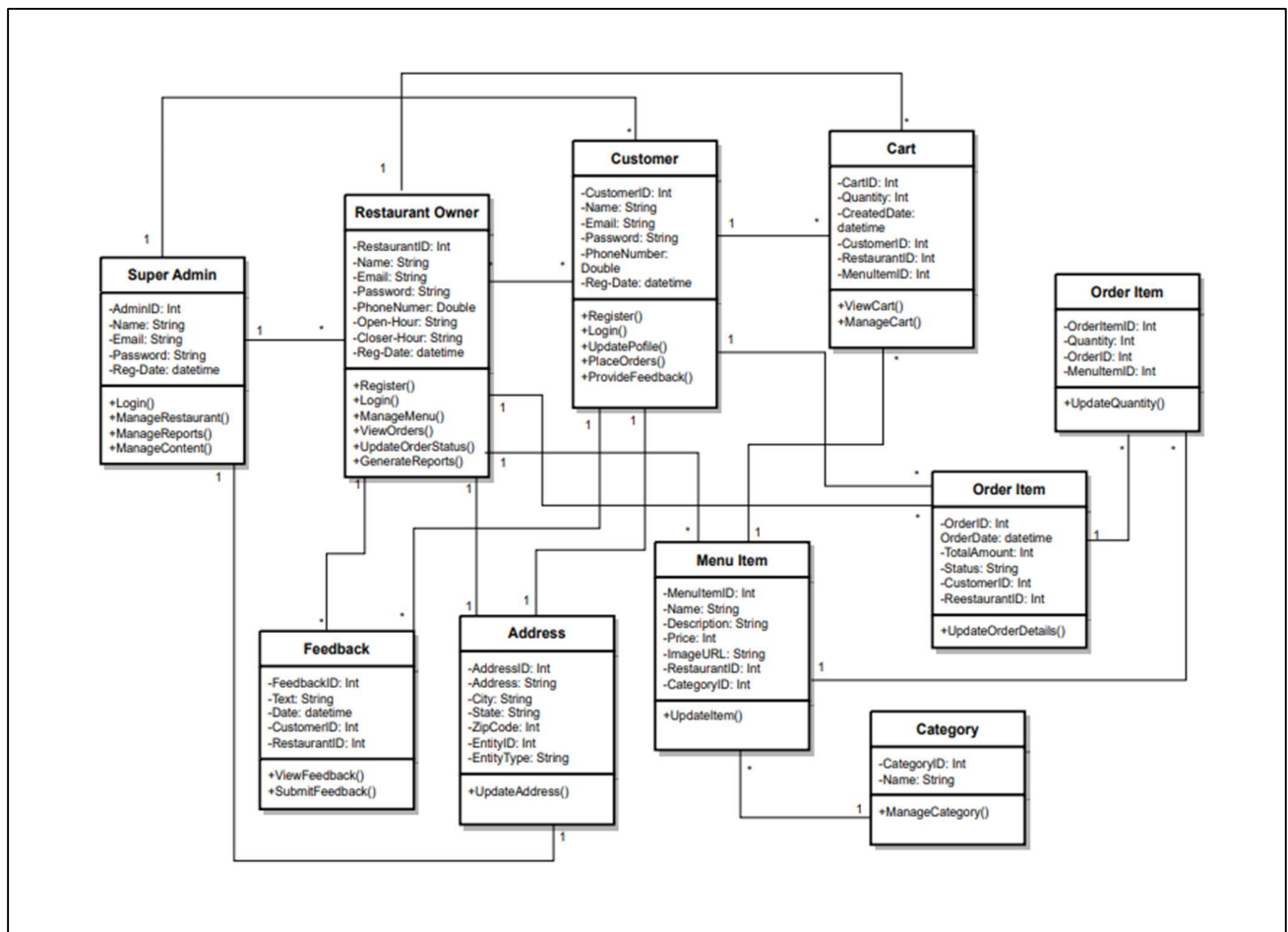
## Activity Diagram of Restaurant Owner:





## Activity Diagram of Customer:



**Class Diagram:**

# SYSTEM DESIGN

## **Data Dictionary:**

### **1. Customer Table:**

Purpose: Stores information about customers.

| <b>Field</b> | <b>Data Type</b> | <b>Constraints</b>          |
|--------------|------------------|-----------------------------|
| CustomerID   | int              | Primary key, Auto Increment |
| Name         | varchar(30)      | Not null                    |
| Email        | varchar(255)     | Not null                    |
| PhoneNumber  | varchar(10)      | Not null                    |
| Password     | varchar(255)     | Not null                    |
| RegisterDate | datetime         | DEFAULT GETDATE()           |

### **2. Admin Table:**

Purpose: Stores information about the admin who manages the system.

| <b>Field</b> | <b>Data Type</b> | <b>Constraints</b>          |
|--------------|------------------|-----------------------------|
| AdminID      | int              | Primary key, Auto increment |
| Name         | varchar(30)      | Not null                    |
| Email        | varchar(255)     | Not null                    |
| Password     | varchar(255)     | Not null                    |
| RegisterDate | datetime         | DEFAULT GETDATE()           |

### 3. Restaurant Table

Purpose: Holds details of registered restaurants.

| Field        | Data Type    | Constraints                 |
|--------------|--------------|-----------------------------|
| RestaurantID | int          | Primary key, Auto increment |
| Name         | varchar(100) | Not null                    |
| Email        | varchar(255) | Not null                    |
| Password     | varchar(255) | Not null                    |
| PhoneNumber  | varchar(10)  | Not null                    |
| Open_Hour    | varchar(20)  | Not null                    |
| Close_Hour   | varchar(20)  | Not null                    |

### 4. Address Table

Purpose: Stores address-related information.

| Field      | Data Type    | Constraints                 |
|------------|--------------|-----------------------------|
| AddressID  | int          | Primary key, Auto increment |
| Address    | varchar(100) | Not null                    |
| City       | varchar(50)  | Not null                    |
| State      | varchar(50)  | Not null                    |
| ZipCode    | varchar(6)   | Not null                    |
| EntityID   | int          | Not null                    |
| EntityType | varchar(10)  | Not null                    |

## 5. Category Table

Purpose: Categorize the menu items.

| Field        | Data Type   | Constraints                 |
|--------------|-------------|-----------------------------|
| CategoryID   | int         | Primary key, Auto increment |
| Name         | varchar(50) | Not null                    |
| CreationDate | datetime    | DEFAULT GETDATE()           |

## 6. MenuItem Table

Purpose: Lists menu items offered by each restaurant.

| Field        | Data Type    | Constraints   |
|--------------|--------------|---|
| MenuItemID   | int          | Primary key, Auto increment                             |
| RestaurantID | int          | Foreign Key references RestaurantID of Restaurant table |
| CategoryID   | int          | Foreign Key references CategoryID of Category table     |
| Name         | varchar(100) | Not null  |
| Description  | varchar(200) |   |
| Price        | int          | Not null  |
| ImageURL     | varchar(200) | Not null  |
| IsAvailable  | bit          | Not null  |

## 7. CustomerOrder Table

Purpose: Records orders placed by customers.

| Field         | Data Type   | Constraints   |
|---------------|-------------|---|
| OrderID       | int         | Primary key, Auto increment                                   |
| CustomerID    | int         | Foreign Key references<br>CustomerID of<br>Customer table     |
| RestaurantID  | int         | Foreign Key references<br>RestaurantID of<br>Restaurant table |
| OrderDate     | datetime    | Not null  |
| TotalAmount   | int         | Not null  |
| Status        | varchar(50) | Current status of the order (preparing, delivered).           |
| PaymentStatus | Varchar(50) | Not null  |
| PaymentMode   | Varchar(50) | Not null  |
| OrderNumber   | Varchar(30) | Not null  |
| AddressID     | int         | Foreign Key references<br>AddressID of<br>Address table       |

## 8. OrderItem Table

Purpose: Details the items included in each order.

| Field       | Data Type | Constraints   |
|-------------|-----------|---|
| OrderItemID | int       | Primary key, Auto increment                                 |
| OrderID     | int       | Foreign Key references<br>OrderID of<br>CustomerOrder table |
| MenuItemID  | int       | Foreign Key references<br>MenuItemID of<br>MenuItem table   |
| Quantity    | int       | Not null  |



## 9. Cart Table

Purpose: Manages shopping carts for customers.

| Field        | Data Type | Constraints   |
|--------------|-----------|---|
| CartID       | int       | Primary key, Auto increment                                   |
| CustomerID   | int       | Foreign Key references<br>CustomerID of<br>Customer table     |
| RestaurantID | int       | Foreign Key references<br>RestaurantID of<br>Restaurant table |
| MenuItemID   | int       | Foreign Key references<br>MenuItemID of<br>MenuItem table     |
| Quantity     | int       | Not null  |
| CreatedDate  | datetime  | DEFAULT<br>GETDATE()  |
| IsCheckOut   | bit       | Not null  |

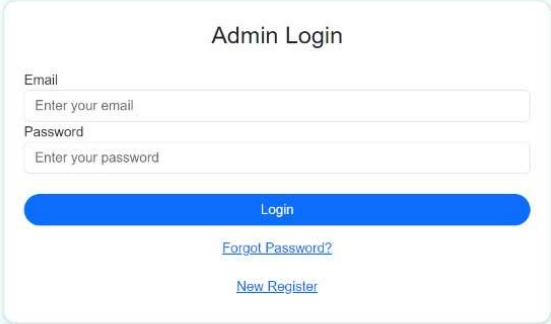
## 10.Feedback Table

Purpose: Store feedback provided by customers about restaurants.

| Field        | Data Type    | Constraints   |
|--------------|--------------|---|
| FeedbackID   | int          | Primary key, Auto increment                                   |
| CustomerID   | int          | Foreign Key references<br>CustomerID of<br>Customer table     |
| RestaurantID | int          | Foreign Key references<br>RestaurantID of<br>Restaurant table |
| FeedbackText | varchar(255) | Not null  |
| Rating       | int          | Not null  |
| FeedbackDate | datetime     | Not null  |

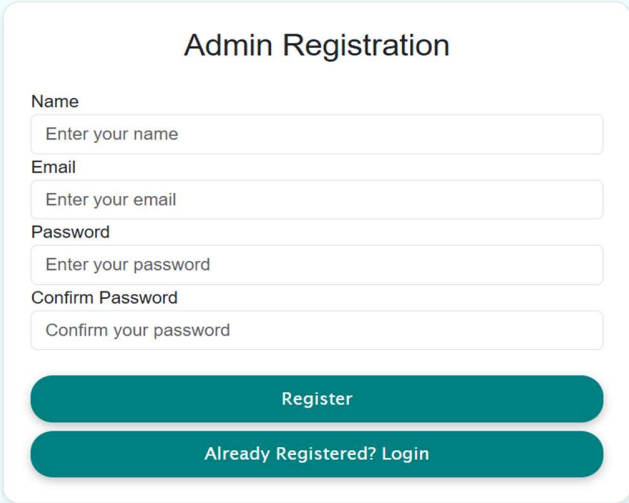
## **Screen Layouts:**

### **Admin Login:**



The Admin Login form is centered on a light blue background. It features a white card with a light blue border. The card has a title "Admin Login" at the top. Below the title are two input fields: "Email" with the placeholder "Enter your email" and "Password" with the placeholder "Enter your password". Below these fields is a blue "Login" button. At the bottom of the card, there are two links: "Forgot Password?" and "New Register", both in blue text.

### **Admin Registration Page:**



The Admin Registration form is centered on a light blue background. It features a white card with a light blue border. The card has a title "Admin Registration" at the top. Below the title are five input fields: "Name" with the placeholder "Enter your name", "Email" with the placeholder "Enter your email", "Password" with the placeholder "Enter your password", "Confirm Password" with the placeholder "Confirm your password", and a "Register" button. Below the "Register" button is a link "Already Registered? Login" in blue text.

Admin Dashboard:

BiteBuddy

Profile

Logout

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Total Customers

3

Total Restaurants

5

Total Orders

2

Total Sales

740

Today's Sales

Yesterday's Sales

© 2024 BiteBuddy. All Rights Reserved.

Search Restaurant by Admin:

BiteBuddy

Profile

Logout

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

All Restaurants

Search Restaurant:

navjivan

Search

Filter by City:

All City

| ID | Name                | Email                | Phone Number | Open Hour | Close Hour | City   | Actions                                     |
|----|---------------------|----------------------|--------------|-----------|------------|--------|---|
| 1  | Navjivan Restaurant | navjivan12@gmail.com | 9685798544   | 8:00 AM   | 11:00 PM   | Nadiad | <div><div>Edit</div><div>Delete</div></div> |

© 2024 BiteBuddy. All Rights Reserved.

Page 36 of 63

All Customer’s Details:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

All Customers

| Customer ID | Name       | Email             | Phone Number | Register Date |
|-------------|------------|-------------------|--------------|---------------|
| 1           | Jenny      | jenny12@gmail.com | 9686957548   | 09-15-2024    |
| 2           | Dipa Patel | dipa23@gmail.com  | 8362425178   | 09-28-2024    |
| 3           | Ami Bhatt  | ami33@yahoo.com   | 7985698477   | 09-28-2024    |

© 2024 BiteBuddy. All Rights Reserved.

All Customer’s Details:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

All Customers

| Customer ID | Name       | Email             | Phone Number | Register Date |
|-------------|------------|-------------------|--------------|---------------|
| 1           | Jenny      | jenny12@gmail.com | 9686957548   | 09-15-2024    |
| 2           | Dipa Patel | dipa23@gmail.com  | 8362425178   | 09-28-2024    |
| 3           | Ami Bhatt  | ami33@yahoo.com   | 7985698477   | 09-28-2024    |

© 2024 BiteBuddy. All Rights Reserved.

All Restaurant Details:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

All Restaurants

Search Restaurant:

Search by Restaurant name

Search

Filter by City:

All City

| ID | Name                  | Email                     | Phone Number | Open Hour | Close Hour | City   | Actions                           |
|----|-----------------------|---------------------------|--------------|-----------|------------|--------|-----------------------------------|
| 1  | Navjivan Restaurant   | navjivan12@gmail.com      | 9685798544   | 8:00 AM   | 11:00 PM   | Nadiad | <div>Edit</div> <div>Delete</div> |
| 2  | The Avenue Restaurant | avenue12@gmail.com        | 8896587495   | 8:30 AM   | 11:30 PM   | Nadiad | <div>Edit</div> <div>Delete</div> |
| 6  | The Grand Jyoti       | thegrandjyoti35@gmail.com | 9673915487   | 9:00 AM   | 3:30 PM    | Nadiad | <div>Edit</div> <div>Delete</div> |
| 7  | Crescent Restaurant   | crescent42@yahoo.com      | 7985489766   | 9:30 AM   | 11:00 PM   | Anand  | <div>Edit</div> <div>Delete</div> |
| 8  | Avkul Restaurant      | avkul534@gmail.com        | 8965987433   | 8:00 AM   | 11:30 PM   | Anand  | <div>Edit</div> <div>Delete</div> |

© 2024 BiteBuddy. All Rights Reserved.

Filter Out Restaurant By City:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

All Restaurants

Search Restaurant:

Search by Restaurant name

Search

Filter by City:

Anand

| ID | Name                | Email                | Phone Number | Open Hour | Close Hour | City  | Actions                           |
|----|---------------------|----------------------|--------------|-----------|------------|-------|-----------------------------------|
| 7  | Crescent Restaurant | crescent42@yahoo.com | 7985489766   | 9:30 AM   | 11:00 PM   | Anand | <div>Edit</div> <div>Delete</div> |
| 8  | Avkul Restaurant    | avkul534@gmail.com   | 8965987433   | 8:00 AM   | 11:30 PM   | Anand | <div>Edit</div> <div>Delete</div> |

© 2024 BiteBuddy. All Rights Reserved.

View Order Details:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

ProfileLogout

Order Details

Order Summary

Order ID: 2

Customer Name: Jenny

Restaurant Name: Navjivan Restaurant

Order Date: 09-15-2024

Total Amount: ₹ 200.00

Status: Pending

Order Items

| Menu Item   | Quantity | Price    |
|-------------|----------|----------|
| Tomato Soup | 2        | ₹ 100.00 |

© 2024 BiteBuddy. All Rights Reserved.

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Order Report

ProfileLogout

Total Amount: ₹ 200.00

Status: Pending

Order Items

| Menu Item   | Quantity | Price    |
|-------------|----------|----------|
| Tomato Soup | 2        | ₹ 100.00 |

Customer Contact Information

Address: Rang Society, Opp Shree Complex

Email: jenny12@gmail.com

Phone Number: 9686957548

© 2024 BiteBuddy. All Rights Reserved.

Admin Profile Updating:

BiteBuddy

ProfileLogout

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Update Profile

Name:

Tirtha Patel

Email:

tirtha12@gmail.com

Current Password:

New Password:

Confirm Password:

Update Profile

© 2024 BiteBuddy. All Rights Reserved.

Order Management:

BiteBuddy

ProfileLogout

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

All Orders

Search Orders

All Status

Search

| Order ID | Customer Name | Restaurant Name     | Status    | Total Amount | Order Date | Actions         |
|----------|---------------|---------------------|-----------|--------------|------------|-----------------|
| 2        | Jenny         | Navjivan Restaurant | Pending   | ₹ 200.00     | 09-15-2024 | <div>View</div> |
| 3        | Jenny         | The Grand Jyoti     | Completed | ₹ 540.00     | 09-21-2024 | <div>View</div> |

1

© 2024 BiteBuddy. All Rights Reserved.



Add Restaurant:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

Add New Restaurant

Restaurant Name

Email

Phone Number

Address

City

State

Zip Code

Open Hour

Close Hour

Restaurant Image

Choose File

No file chosen

Add Restaurant

Category Management:

BiteBuddy

Dashboard

All Customers

All Restaurants

Add Restaurant

Manage Category

All Orders

Monthly Sales Report

Restaurant Sales Report

Profile

Logout

Manage Categories

Add New Category

| Category Name | Creation Date | Actions |        |
|---------------|---------------|---------|--------|
| Italian       | 2024-09-15    | Edit    | Delete |
| South Indian  | 2024-09-19    | Edit    | Delete |

### **Admin Resgistration:**

Admin Registration

Name

Enter your name

Email

Enter your email

Password

Enter your password

Confirm Password

Confirm your password

Register

Already Registered? Login

### **Restaurant Owner Sign Up:**

Restaurant Owner Registration

Email

Enter your email

Password

Enter your password

Confirm Password

Confirm your password

Register

Already Registered? Login

Restauraant Owner Login:

Restaurant Owner Login

Email

Enter your email

Password

Enter your password

Login

[Forgot Password?](#)

[New Register](#)

Restaurant owner Dashboard:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

Profile

Logout

Total Customers

1

Total Menu Items

2

Total Orders

1

Total Sales

540

Today's Sales

Yesterday's Sales

© 2024 BiteBuddy. All Rights Reserved.

All Menu:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

ProfileLogout

All Menu Items

Search Menu Items:

Filter by Category:



Filter by Availability:

Search by menu item name

Search

All Categories

All

| ID | Menu Item         | Category | Price    | Image  | Availability                        | Actions               |
|----|-------------------|----------|----------|--|-------------------------------------|-----------------------|
| 6  | Cheese Pizza      | Italian  | ₹ 300.00 |  | <input type="checkbox"/>            | <div>EditDelete</div> |
| 7  | White Sauce Pasta | Italian  | ₹ 180.00 |  | <input checked="" type="checkbox"/> | <div>EditDelete</div> |

© 2024 BiteBuddy. All Rights Reserved.

Add Menu For Category: Dropdown:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

ProfileLogout

Add New Menu Item

Category

Select Category

Menu Item Name

Description

Price

Menu Item Image

Choose FileNo file chosen

☐ Is Available?

Add Menu Item

© 2024 BiteBuddy. All Rights Reserved.

Page 44 of 63

All Orders:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

Profile

Logout

All Orders

Search by Name

Search

All Statuses

| Order ID | Customer Name | Order Date       | Total Amount | Status    | Actions         |
|----------|---------------|------------------|--------------|-----------|-----------------|
| 3        | Jenny         | 2024-09-21 11:34 | ₹ 540.00     | Completed | <div>View</div> |

© 2024 BiteBuddy. All Rights Reserved.

Update Order Status: Status: Dropdown:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

Profile

Logout

Order Details

Order Summary

Order ID: 3

Customer Name: Jenny

Order Date: 09-21-2024

Total Amount: ₹ 540.00

Status:

Completed

Update Status

Order Items

| Menu Item         | Quantity | Price    |
|-------------------|----------|----------|
| White Sauce Pasta | 3        | ₹ 180.00 |

© 2024 BiteBuddy. All Rights Reserved.

View Feedback:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

Profile

Logout

Customer Feedback

Search by Customer Name

Search

All Ratings

| Feedback ID | Customer Name | Feedback Date | Rating | Comments       |
|-------------|---------------|---------------|--------|----------------|
| 1           | Jenny         | 2024-09-25    | 4      | Very Nice Food |

© 2024 BiteBuddy. All Rights Reserved.

Change Password:

BiteBuddy

Dashboard

All MenuItems

Add MenuItem

All Orders

View Feedback

Sales Report

Profile

Logout

Update Profile

Name:

The Grand Jyoti

Email:

thegrandjyoti35@gmail.com

Phone Number:

9673915487

Opening Hour:

9:00 AM

Closing Hour:

3:30 PM

Change Password

Current Password:

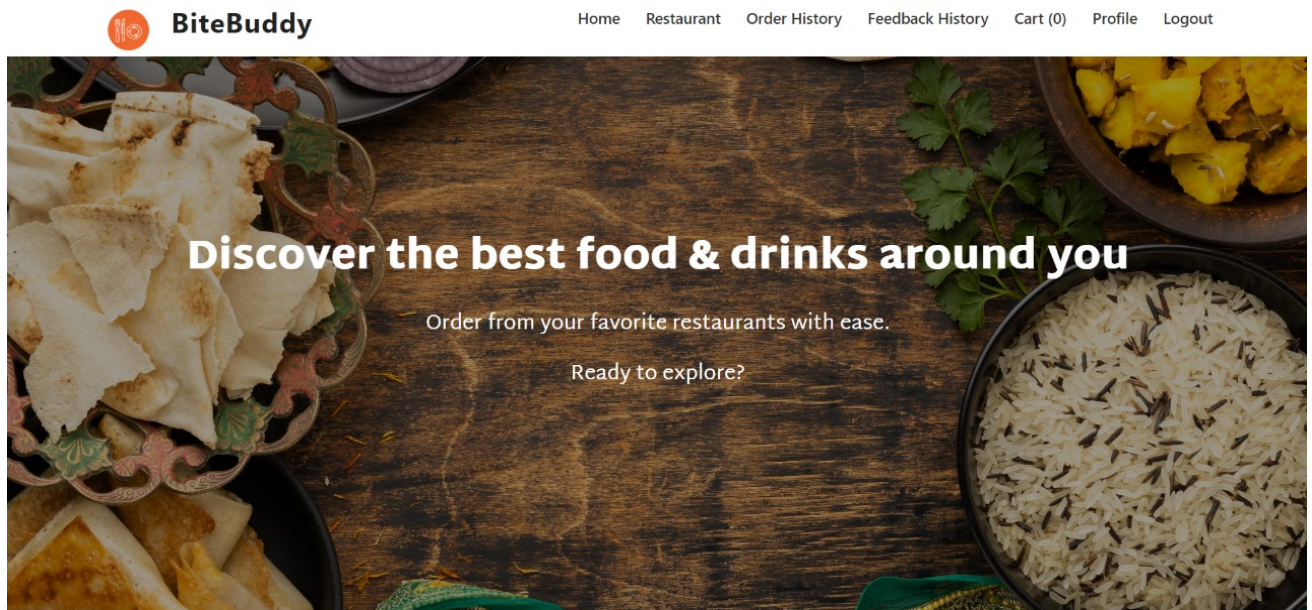
New Password:

Confirm Password:

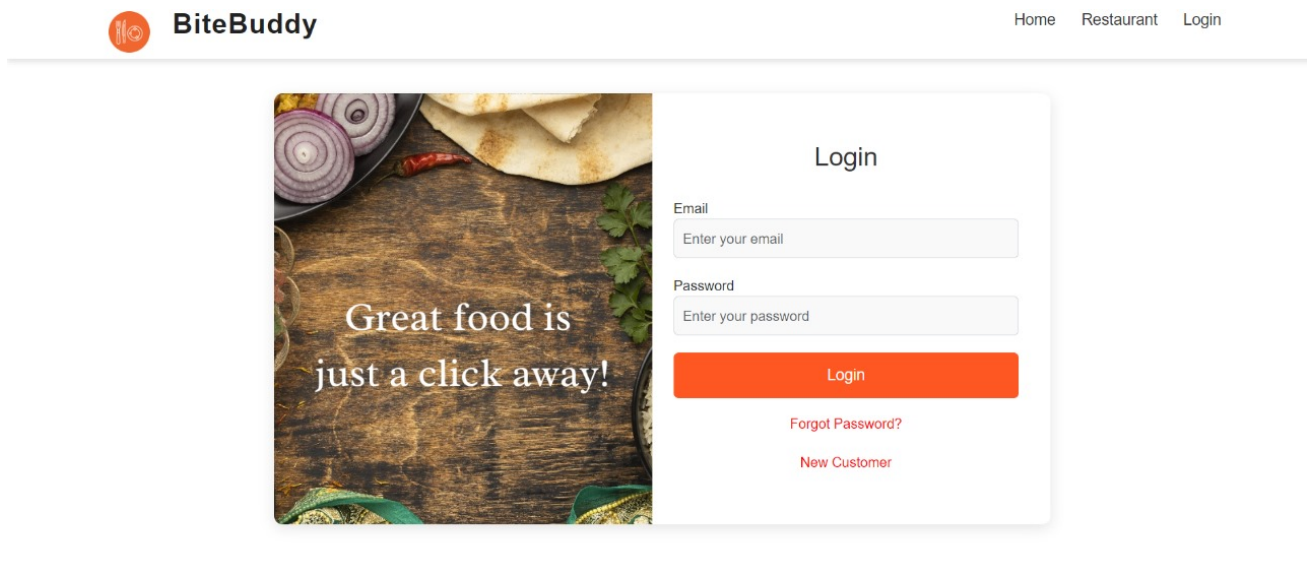
Update Password

© 2024 BiteBuddy. All Rights Reserved.


## Customer Home Page:



## Customer Login page:



## Customer Registration Page:

 **BiteBuddy**

Home Restaurant Login

### Customer Registration

#### Personal Information

Full Name

Email

Phone Number

Password

Confirm Password

#### Address Information

Address

City


State

Zip Code

Register

Already Register??

## Browse Restaurant:

 **BiteBuddy**

Home Restaurant Order History Feedback History Cart (0) Profile Logout


### Discover Restaurants

Search Restaurant:

Search


Filter by Rating: All Ratings

Filter by City: All Cities




**Navjivan Restaurant**  
Shree Complex, Vania Vad, Shanti Nagar  
Nadiad  
Average Rating: 3.0 Stars  

View Menu



**ICE Burg**  
Mercury Complex Opp.swaminarayan  
Temple,vaniavad,collage Road  
changa  
Average Rating: 0.0 Stars  

View Menu




**The Grand Jyoti**  
106,107 centre square,nr.alka cinema,  
valetva  
Average Rating: 3.8 Stars  

View Menu

Page 48 of 63



## Explore Menu Items:


 **BiteBuddy**

Home Restaurant Order History Feedback History Cart (0) Profile Logout

---

### Menu Items

Search Menu Item:  Search Category: All Categories




**Paneer Butter Masala**

A rich and creamy Indian delight that melds succulent cubes of paneer with a velvety butter gravy.

Price: ₹219

- 1 + Add to Cart




**Paneer Kadhahi**

A flavorful and aromatic Indian dish featuring paneer cooked in a rich and tangy tomato-based gravy.

Price: ₹199

- 1 + Add to Cart






**Paneer Toofani Spicy**


A tantalizing vegetarian delight that is sure to leave you craving for more.

Price: ₹229

- 1 + Add to Cart



## Manage Cart:

 **BiteBuddy**

Home Restaurant Order History Feedback History Cart (13) Profile Logout

---


### YOUR CART

| Item Name            | Quantity                                     | Price    | Total Price | Actions             |
|----------------------|--|----------|-------------|---------------------|
| Paneer Butter Masala | <span>-</span> <span>4</span> <span>+</span> | ₹ 219.00 | ₹ 876.00    | <span>Delete</span> |
| Paneer Kadhahi       | <span>-</span> <span>3</span> <span>+</span> | ₹ 199.00 | ₹ 597.00    | <span>Delete</span> |
| Cheese Garlic Bread  | <span>-</span> <span>2</span> <span>+</span> | ₹ 180.00 | ₹ 360.00    | <span>Delete</span> |
| Milk Shake Mango     | <span>-</span> <span>1</span> <span>+</span> | ₹ 200.00 | ₹ 200.00    | <span>Delete</span> |
| Butter Chapati       | <span>-</span> <span>3</span> <span>+</span> | ₹ 21.00  | ₹ 63.00     | <span>Delete</span> |

**Total Amount: ₹ 2096.00**

Proceed Further

## Select Delivery Address:

 **BiteBuddy**

Home Restaurant Order History Feedback History Cart (13) Profile Logout

### SELECT DELIVERY ADDRESS

Existing Addresses

☐ 106, centre square,nr.alka cinema,, Nadiad, Gujarat, 388120

☐ Hostel 3, Charusat University , changa, Gujarat, 380011

OR

Add a New Address

Add New Address

## CheckOut Summary:

### CHECKOUT

Your Cart Items

| Item Name            | Quantity | Price    |
|----------------------|----------|----------|
| Paneer Butter Masala | 4        | ₹ 219.00 |
| Milk Shake Mango     | 1        | ₹ 200.00 |
| Butter Chapati       | 3        | ₹ 21.00  |

**Total Amount: ₹ 1,139.00**

Selected Delivery Address


106, centre square,nr.alka cinema,, Nadiad, Gujarat, 388120

Payment Options

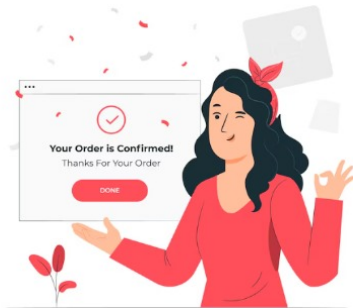
☒ Cash on Delivery  
☐ Online Payment

Place Order

Order Confirmation:

 **BiteBuddy**

[Home](#) [Restaurant](#) [Order History](#) [Feedback History](#) [Cart \(0\)](#) [Profile](#) [Logout](#)



### Thank You for Your Order!


Your order has been placed successfully.

#### Order Details

| Order Number         | Customer Name | Restaurant Name     | Total Amount | Order Date |
|----------------------|---------------|---------------------|--------------|------------|
| ORD20241003002823568 | Kim Lisa      | Navjivan Restaurant | 1139         | 03/10/2024 |

View Order History

Check Order History:

 **BiteBuddy**


[Home](#) [Restaurant](#) [Order History](#) [Feedback History](#) [Cart \(0\)](#) [Profile](#) [Logout](#)

### Order History

| ORDER NUMBER         | ORDER DATE | TOTAL AMOUNT | STATUS    | VIEW                 |
|----------------------|------------|--------------|-----------|----------------------|
| ORD-20240929-004     | 29/09/2024 | 1140         | Completed | <a href="#">View</a> |
| ORD-20240930-007     | 30/09/2024 | 780          | Completed | <a href="#">View</a> |
| ORD20241001235828450 | 01/10/2024 | 600          | Pending   | <a href="#">View</a> |
| ORD20241002015906411 | 02/10/2024 | 200          | Pending   | <a href="#">View</a> |
| ORD20241002020143147 | 02/10/2024 | 100          | Pending   | <a href="#">View</a> |
| ORD20241002114137695 | 02/10/2024 | 600          | Pending   | <a href="#">View</a> |
| ORD20241003002823568 | 03/10/2024 | 1139         | Pending   | <a href="#">View</a> |

Back to Home

View Particular Order Details:

BiteBuddy

HomeRestaurantOrder HistoryFeedback HistoryCart (0)ProfileLogout

Order Details

Order Information

Order Number: ORD-20240930-007

Order Date: 30/09/2024

Status: Completed

Total Amount: ₹780.00

Customer Information

Name: Kim Lisa

Email: lisa12@gmail.com

Phone: 9966559674

Address: 106, centre square,nr.alka cinema,, Nadiad, Gujarat - 388120

Items Ordered

| FOOD ITEM         | QUANTITY | PRICE   |
|-------------------|----------|---------|
| Cheese Pizza      | 2        | ₹300.00 |
| White Sauce Pasta | 1        | ₹180.00 |

Payment Information


Payment Method: COD

Payment Status: Completed

Provide Feedback

Back to Order History

Order Cancellation:

BiteBuddy


HomeRestaurantOrder HistoryFeedback HistoryCart (0)ProfileLogout

Order History

| ORDER NUMBER         | ORDER DATE | TOTAL AMOUNT | STATUS    | VIEW            | ACTIONS           |
|----------------------|------------|--------------|-----------|-----------------|-------------------|
| ORD-20240929-005     | 29/09/2024 | 1140         | Completed | <div>View</div> |                   |
| ORD20241001232653057 | 01/10/2024 | 600          | Pending   | <div>View</div> |                   |
| ORD20241113231631175 | 13/11/2024 | 180          | Cancelled | <div>View</div> |                   |
| ORD20241113231855699 | 13/11/2024 | 960          | Pending   | <div>View</div> |                   |
| ORD20241114121605390 | 14/11/2024 | 180          | Pending   | <div>View</div> | <div>Cancel</div> |

Back to Home

## Provide Feedback:

 **BiteBuddy**

[Home](#) [Restaurant](#) [Order History](#) [Feedback History](#) [Cart \(0\)](#) [Profile](#) [Logout](#)

### Provide Feedback

Your Feedback:


We thoroughly enjoyed ourselves. It was a very satisfying meal.

Rating (1-5):

4

Submit Feedback

## View Feedback History:


 **BiteBuddy**

[Home](#) [Restaurant](#) [Order History](#) [Feedback History](#) [Cart \(0\)](#) [Profile](#) [Logout](#)

### Your Feedback History

| Restaurant          | Feedback  | Rating | Date       |
|---------------------|---|--------|------------|
| The Grand Jyoti     | We thoroughly enjoyed ourselves. It was a very satisfying meal. | 4      | 03/10/2024 |
| The Grand Jyoti     | Nice Food.  | 4      | 02/10/2024 |
| Navjivan Restaurant | The food was delicious and quality was also nice.               | 3      | 02/10/2024 |

Back to Home

  
**BiteBuddy**  
Enjoy delicious meals delivered to your door.


### Quick Links

- About Us
- Restaurants
- Contact Us
- Privacy Policy

### Contact Us

Email: bitebuddy45@gmail.com  
Phone: +91 9689564788

## Update Profile:

 **BiteBuddy**

[Home](#) [Restaurant](#) [Order History](#) [Feedback History](#) [Cart \(0\)](#) [Profile](#) [Logout](#)

### Update Profile

| Personal Information  | Address Information   |
|---|---|
| <p>Full Name</p> <input type="text" value="Kim Lisa"/>  | <p>Address</p> <input type="text" value="106, centre square, nr alka cinema,"/> |
| <p>Email</p> <input type="text" value="lisa12@gmail.com"/>  | <p>City</p> <input type="text" value="Nadiad"/>                                 |
| <p>Phone Number</p> <input type="text" value="9966859674"/>                                       | <p>State</p> <input type="text" value="Gujarat"/>                               |
| <p>New Password</p> <input type="text" value="Create a new password (leave blank if unchanged)"/> | <p>Zip Code</p> <input type="text" value="388120"/>                             |
| <p>Confirm New Password</p> <input type="text" value="Confirm your new password"/>                |   |

Update Profile

# SYSTEM TESTING

**Registration Page Test Cases: -**

| No. | Field            | Scenario         | Valid/Invalid | Expected Outcome  | Result |
|-----|------------------|------------------|---------------|---|--------|
| 1   | Name             | Blank            | Invalid       | Should not allow blank input  | Fail   |
|     |                  | 1234             | Invalid       | Should not allow digits   | Fail   |
|     |                  | Admin Name       | Valid         | Should allow alphabetic characters and spaces                             | Pass   |
| 2   | Email            | Blank            | Invalid       | Should not allow blank input  | Fail   |
|     |                  | admin            | Invalid       | Should follow email format  | Fail   |
|     |                  | admin@domain.com | Valid         | Should follow proper email format   | Pass   |
| 3   | Password         | Blank            | Invalid       | Should not allow blank input  | Fail   |
|     |                  | admin            | Invalid       | Should be at least 6 characters long                                      | Fail   |
|     |                  | Admin@123        | Valid         | Should allow a combination of characters, numbers, and special characters | Pass   |
| 4   | Confirm Password | Blank            | Invalid       | Should not allow blank input  | Fail   |



|   |                    |                              |         |  |      |
|---|--------------------|------------------------------|---------|--|------|
|   |                    | Mismatch with Password field | Invalid | Should show an error for mismatched passwords                  | Fail |
|   |                    | Match with Password field    | Valid   | Should match the Password field input                          | Pass |
| 5 | Register Button    | Click without input          | Invalid | Should show error messages for all empty or invalid fields     | Fail |
|   |                    | Click with valid data        | Valid   | Should successfully register and redirect to the login page    | Pass |
| 6 | Already Registered | Click with input             | -       | Should redirect to the login page with pre-filled email if any |      |

**Login Page Test Cases:**

| No. | Field    | Scenario        | Valid/<br>Invalid | Expected Outcome                                   | Result |
|-----|----------|-----------------|-------------------|--|--------|
| 1   | Email    | Blank           | Invalid           | Should not allow blank input                       | Fail   |
|     |          | owner           | Invalid           | Should follow email format                         | Fail   |
|     |          | owner@doman     | Invalid           | Should follow email format with domain             | Fail   |
|     |          | owner@doman.com | Valid             | Should follow proper email format                  | Pass   |
| 2   | Password | Blank           | Invalid           | Should not allow blank input                       | Fail   |
|     |          | owner           | Invalid           | Should be at least 6 characters long               | Fail   |
|     |          | Owner12         | Invalid           | Should include at least one special character      | Fail   |
|     |          | Owner@123       | Valid             | Should allow a combination of characters, numbers, | Pass   |

|   |                          |                                      |         |  |      |
|---|--------------------------|--------------------------------------|---------|--|------|
|   |                          |                                      |         | and special characters                                     |      |
| 3 | Login Button             | Click without input                  | Invalid | Should show error messages for all empty or invalid fields | Fail |
|   |                          | Click with invalid email or password | Invalid | Should show an error message for incorrect credentials     | Fail |
|   |                          | Click with valid email and password  | Valid   | Should log in successfully and redirect to the dashboard   | Pass |
| 4 | Forgot Password Button   | Click without any input              | -       | Should redirect to the "Forgot Password" page              |      |
| 5 | New Registrati on Button | Click without any input              | -       | Should redirect to the "New Registration" page             |      |

# FUTURE ENHANCEMENT

- **GPS System for Order Tracking:** Implement a GPS-based system that allows customers to track their orders in real-time from restaurant to delivery.
- **Multiple Restaurant Orders:** Enable customers to place a single order that includes items from multiple restaurants, allowing for a more flexible dining experience.
- **Voice-Activated Ordering:** Integrate a voice-based ordering feature, allowing users to place orders using voice commands for a hands-free experience.
- **Discount Offers:** Introduce various discount offers and promotional deals to enhance customer satisfaction and encourage repeat business.
- **Multi-Language Support:** Provide the application in multiple languages to cater to a broader audience, making it accessible to non-English speakers.
- **Subscription Plans with Points:** Implement subscription plans where customers can earn points with each order, which can be redeemed for discounts or special offers.
- **Recommendation System:** Develop a recommendation engine that suggests meals or restaurants based on customer preferences, past orders, and popular choices.
- **Meal Customization:** Allow customers to customize their meals by selecting ingredients, portion sizes, or dietary preferences for a more personalized dining experience.
- **Customer Support:** Offer a comprehensive help section or live support to assist customers with their queries, complaints, or issues.

# BIBLIOGRAPHY/ REFERENCES

During the analysis and execution phase of the project, the following books were consulted.

➤ **Books Referred:**

- ASP.NET 4 UNLEASHED – STEPHEN WALTHER
- .NET 4.6 FRAMEWORK – ANDREW TROELSEN AND PHILIP JAPIKSE
- PROGRAMMING ENTITY FRAMEWORK – JULIA LERMAN
- ESSENTIAL ASP.NET WEB FORMS DEVELOPMENT- ROBERT E BEASLEY

➤ **Website Referred:**

- <https://youtu.be/YQpGSVwNURU?si=7zP49IB4ubheBAsC>
- <https://chatgpt.com>
- [https://youtu.be/KIZqQgqYCIg?si=pGtag\\_a2aZp5avq-x](https://youtu.be/KIZqQgqYCIg?si=pGtag_a2aZp5avq-x)
- <https://www.c-sharpcorner.com/csharp-tutorials>
- <https://www.zomato.com/>
- [https://icsvvu.in/eresource/MSc\\_MCA\\_BCA-ASP.NET-Lokesh%20Rathore.pdf](https://icsvvu.in/eresource/MSc_MCA_BCA-ASP.NET-Lokesh%20Rathore.pdf)
- [https://www.w3schools.com/asp/asp\\_ref\\_session.asp](https://www.w3schools.com/asp/asp_ref_session.asp)